

BRUDIKEN, K.

"Geologic analysis of the cover of the Kipren coal layer under the
Merichieri River basin, Novi rudnitsi-zapad Mine."

p. 76 (Minno Delo, Vol. 13, no. 1, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

TAKOV, A., inzh.; MARKOV, L., inzh.; BRUNKIN, K., geol.

Interdependence of the ash content and the volume and specific weight of the coal from the Marishki Basin State Mining Enterprise. Min delo 17 no.9+9-12 S '62.

1. Durzhavno minno predpriiatie "Marishki basein".

KULELIEV, Kkrustiu Iord., prof.; BRUNKIN, K.As.; CHOLAKOVA, Danka St.

Geochemical studies in the Merichleri and Kalugerovo gypsiferous regions. Godishnik Min geol inst 9:347-361 '62-'63[publ. '64]

BRUN'KO, A.G.

Two cases of abnormalities of concha auriculae and of the face.
Zhur. ush., nos. i gorl. bol. 23 no.5:80-81 S-0'63
(MIRA 17:3)

1. Iz otorinolaringologicheskoy kafedry (zav. - prof. S.F. Letnik [deceased]) Donetskogo meditsinskogo instituta imeni A.M. Gor'kogo.

TERIN, P.K.; LUK'YANOV, V.P.; KAREVA, Ye.N.; Prinimali uchastiye:
BRUN'KO, S.T.; TEREKHOV, I.F.

Improved procedure for the manufacture of 1Kh21N5T steel rings.
Kuz.-shtam.proizv. 5 no.3:13-16 Mr '63. (MIRA 16:4)
(Steel forgings) (Forging)

BRUN'KO, V.

A giant electric power system on the Dnieper. Znan. ta pratsia
no.8:2-3 Ag '59. (MIRA 13:2)
(Kremenchug Hydroelectric Power Station)

BRUN'KO, V.

There they create the technology of the seven-year plan.
Znan.ta pratsia no.3:20-21 Mr '60. (NIRA 13:6)
(Kiev—Mining research)

BRUN'KO, V.

Treasures of deep blue waters. Vnesh. torg. 43 no. 5:41-43
'63. (MIRA 16:6)

(Soviet Far East—Marine resources)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0

BRUNKOVSKAYA N.S.

BRUNKOVSKAYA, N. S., ABRAMOVA, N. V., PUSHKOV, N. V.

"Comparison of the Magnetic Activity of the Aurora Polaris on the Basis of Observation in Tikhaya Bay During 1932-1933," Meteor. i Gidrol., No. 6, pp. 75-83, 1937.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0"

ACC NR: AP7002921

SOURCE CODE: P0/0095/66/014/010/1039/1046

AUTHOR: Brunne, M.

ORG: Institute of Fluid-Flow Machines, Polish Academy of Sciences, Gdańsk (Instytut maszyn przepływowych, PAN)

TITLE: Theoretical aspects of the induction method of plasma parameters measurement

SOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 14, no. 10, 1966, 1039-1046

TOPIC TAGS: plasma parameter, plasma measurement, induction method, magnetogasdynamics, plasma conductivity, plasma jet, electric inductance

ABSTRACT: A concise analysis is presented of the interaction between an induction coil fed with oscillating current and a jet of quasineutral plasma, the investigated cases corresponding to practically encountered modifications of the induction technique for measuring plasma conductivity. The study continues the macroscopic descriptions based on the electrodynamics of continuous media, given in earlier works of the author and extending R. Savic and G. T. Boult's paper (J. Sci. Instrum., 39 (1962), No. 6). Two variations were studied, one shown in Figure 1, the other obtained by inversion of the plasma region P and of both regions of ideal dielectric, D_1 , D_2 , together with the coil, in the form of a circular turn with the current $I_c e^{j\omega t}$ which is

Card 1/3

ACC NR: AP7002921

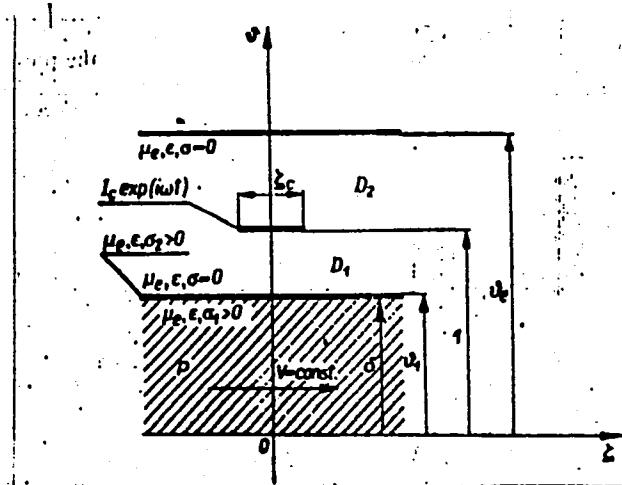


Figure 1.. Induction method of plasma parameter measurement

Card 2/3

L 08224-67 IJP(c) GG/AT

ACC NR: AT6033378

SOURCE CODE: PO/2521/66/000/028/0037/0072

AUTHOR: Brunne, Marek (Gdansk)

86

ORG: none

B71

TITLE: Selected problems of the skin-effect theory in axisymmetrical plasma configurations

SOURCE: Polska Akademia Nauk. Instytut Maszyn Przepływowych. Prace, no. 28, 1966, 37-72

TOPIC TAGS: skin effect, axisymmetric flow, plasma flow, electromagnetic field, electromagnetic effect, skin effect theory, plasma geometry, Joule heat, Lorentz force

ABSTRACT: The following selected relations, which elucidate the mechanism of skin-effect for the presumed configurations of electromagnetic-field and plasma geometry, were discussed in the paper: 1) the functional coefficients $f_0(\rho), f_1(\rho), f_2(\rho)$, characteristic of the skin-effect mechanism, in relation to the quantities determining field and currents in plasma; 2) quasi-surface current and surface impedance; 3) Joule heat; Lorentz force; skin-layer thickness determined from energy relations.

Card 1/2

L 08224-67

ACC NR: AT6033378

The analytical relations concern the propagation of the electromagnetic field in a stationary flow of plasma, the field being represented by a traveling wave of constant wave number (and determined by the only existing circumferential component of the vector field potential). The relations are applicable to plasma acceleration as well as to deceleration. The approximate graphical relations are given for each of these cases separately. In appendices to the original article the problems listed in items 1-3 are briefly analyzed for the case of an electromagnetic field determined by the only existing axial component of the vector field potential diffusing into a motionless plasma column. Orig. art. has: 135 formulas and 10 figures. [Author's abstract]

SUB CODE: 20/ SUBM DATE: 00Dec64/ ORIG REF: 002/ SOV REF: 002/
OTH REF: 005/

Card 2/2 eglv

BRUNNER, E., inz.

Defects in the production and use of ceramic panels, their origin
and elimination. Stavivo 42 no.12:455-456 D '64.

1. Branch Association of the Brick Industry National Enterprises.

ISLANDS, Japan, etc.

larger fruit harvest by means of gravitational force. Plot 14
D no. 153591-65A 16 Ap '55.

BRUNNER, Yu. N.

BRUNNER, Yu. N.

Species composition and the formation of insect complexes of
sugar beet pests in Central Asia and Kazakhstan. Zool. zhur.
33 no. 6:1236-1244 N-D '54. (MIRA 8:2)

1. Kirgizskaya opytno-seleksionnaya stantsiya po sakharinoy
sverkle.
(Sugar beets--Diseases and pests)(Asia, Central--
Insects, Injurious and beneficial)

BRUNNER, YU. N.

BRUNNER, Yu. N.

Weevil species and their importance as sugar beet pests. Trudy Inst.
zool.i paraz. AN Kir.SSR no.4:43-54 '55. (MLRA 10:5)
(Soviet Central Asia--Weevils)
(Kazakhstan--Weevils)
(Sugar beets--Diseases and pests)

BRUNNER, Yu. AN.

BRUNNER, Yu. N.: "'Dolgonosiki' (Cucurlioidea?) harmful to sugar beets in Central Asia and Kazakhstan." Acad Sci Kirgiz SSR. Department of Biological Sciences. Frunze, 1956. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Knizhanya Ietopis', No 23, 1956

BRUNNER, Yu.H.

Termnorrhynus brevirostris Gyll (Coleoptera, Curculionidae), a new
sugar beet weevil in UZbekistan. Ent. oboz. 35 no.1:60-64 '56.
(MLRA 9:10)

1.Kirgizskaya epytnaya stantsiya po svekle, Frunzenskaya oblast',
Kirgizskaya SSR.
(Uzbekistan--Weevils) (Sugar beets--Diseases and pests)

BRUNNER, Yu.N.

Distinctive larval characters of some weevils injurious to sugar beets in Central Asia and Kazakhstan [with summary in English].
Zool. zhur. 36 no.7:1031-1038 Jl '57. (MIRA 10:9)

1. Kirgizskaya opytno-selektionsnaya stantsiya po sakharinoj sverkle.
(Soviet Central Asia--Weevils) (Kazakhstan--Weevils)
(Sugar beets--Diseases and pests) (Larvae--Insects)

BRUNNER, Yu.N., kand.biol.nauk

For better organized plant protection on virgin lands. Zashch.rast.
ot vred. i bol. 3 no.2:13-14 Mr-Ap '58. (MIRA 11:4)
(Kazakhstan--Plants, Protection of)

BRUNNER, Yu.N., kand.biol.nauk

Sugar beet weevil *Ulobaris loricata* Boh. Zashch.rast.ot vred. i bol.
3 no.6:34-35 N-D '58. (MIRA 11:12)
(Beet pests) (Weevils)

BRUNNER, Yu.N.

Ecological characteristics of natural habitats of the common
beet weevil Bothynoderes punctiventris Germ. (Coleoptera,
Curculionidae). Ent. oboz. 37 no.4:807-811 '58.
(MIRA 11:12)

1. Poltavskiy sel'skokhozyaystvennyy institut, Poltava.
(Soviet Central Asia--Weevils) (Kazakhstan--Weevils)
(Solonchak soils)

BRUNNER, Yu.N., kand.biolog.nauk

Turkmenistan beet weevil. Zashch. rast. ot vred. i bol. 5
no. 8:34-36 Ag '60. (MIRA 13:12)
(Weevils) (Sugar beets--Diseases and pests)

BRUNNER, Yu.N., kand.biolog.nauk, dotsent

Aerosol generator on a uniaxial chassis. Zashch. rast. ot vred.
i bol. 6 no.4:16-17 Ap '61. (MIRA 15:6)

1. Poltavskiy sel'skokhozyaystvennyy institut.
(Poltava Province—Spraying and dusting equipment)

SERGEYEV, N.; RIDER, V.A.; ORIPOV, Kh.; BRUNNER, Yu.N.; MANGUSH, Kh.;
ORLOVA, A.S.; SHCHERBAKOVSKIY, N.N.; LESHCHINSKIY, N.S.;
VOYAKOVSKAYA, Ye.S.; DERYABIN, V.I.

Letters to the editor. Zashch. rast. ot vred. i bol. 6 no.5:44-45
(MIRA 15:6)
My '61.

1. Inspektor po karantinu rasteniy g.Labinsk, Krasnodarskogo kraja (for Sergeyev).
 2. Zaveduyushchiy Primorskim gosudarstvennym sortoispytatel'skim uchastkom Stalinskoy oblasti (for Mangush).
 3. Agronom po zashchite rasteniy Shchelkovskogo rayona, Moskovskoy obl. (for Orlova).
 4. Zaveduyushchiy Aleksandrovskim nablyudatel'nym punktom, Kirovogradskaya obl. (for Shcherbakovskiy).
 5. Inspektor po karantinu rasteniy, g. Pyatigorsk, Stavropol'skogo kraja (for Leshchinskiy).
 6. Agronom po zashchite rasteniy g. Kamenets-Podol'skiy, Khmel'nitskoy oblasti (for Voyakovskaya).
- (Plants, Protection of)

KOVALENKO, G.D., agronom po zashchite rasteniy (Cherkasskiy rayon);
TSURA, A.A., agronom po zashchite rasteniy (Chigirinskiy rayon,
Cherkasskoy oblasti); VITYUK, S.A., agronom po zashchite rasteniy
(Litinskiy rayon, Winnitskaya obl.); BRUNNER, Yu.N., kand.biolog.
nauk (Poltava); KRUGLOVA, M.G., agronom po zashchite rasteniy
(Poltava)

From the practices in controlling the pea weevil. Zashch.rast.ot
vred. i bol. 7 no.4:9-13 Ap '62. (MIRA 15:12)
(Pea weevil—Extermination)

ARTEM'YEV, Ye.A.; VOLCHENKO, V.V.; NOZDRINA, M.S.; BRUNNER, Yu.N., dotsent;
MILLERUK, G.Ya.

Readers' letters. Zashch. rast. ot vred. i bol. 8 no.2:14-15
(MIRA 16:7)
F '63.

1. Agronom po zashchite rasteniy Krasnosel'skogo rayona Kostromskoy oblasti (for Artem'yev).
2. Obshchestvennyy korrespondent zhurnala "Zashchita rasteniy ot vrediteley i bolezney" (for Volchenko).
3. Agronom po zashchite rasteniy Khar'kovskogo rayona (for Nozdrina).
4. Poltavskiy sel'skokhozyaystvennyy institut (for Brunner).
5. Zamestitel' predsedatelya Soveta rayonnogo otdeleniya Obshchestva okhrany prirody, Cherkasskaya obl. (for Milleruk).
(Plants, Protection of)

BRUNNER, Yu.N., kand.biolog.nauk

Aerosols in sugar beet fields. Zashch. rast. ot vred. i bol. 8
no.5:57 My '63. (MIRA 16:9)

1. Poltavskiy sel'skokhozyaystvennyy institut.
(Poltava region--Sugar beets--Diseases and pests)
(Poltava region--Spraying and dusting in agriculture)

L 1169-66

ACCESSION NR: AP5012833

UR/0348/65/000/004/0011/0012
632.913/.934.1

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17
B

AUTHOR: Brunner, Yu. (Docent)

TITLE: Broadening the use of aerosol generators

SOURCE: Zashchita rasteniy ot vrediteley i bolezney, no. 4, 1965, 11-12

TOPIC TAGS: aerosol, agriculture, insect control, insecticide

ABSTRACT: On the basis of 6 years experience with the AG-L6 and AG-UD-2 aerosol generators, the author reports very good results and high efficiency (12–16 hectares/hr.) against corn, beet, and pea weevils, and beet aphids. Insecticides used include 20% diesel oil solutions of 50 and 65% industrial concentrates of polychloropinene (5–6 liters/hectare), a 5% aqueous emulsion of 20% polychloropinene concentrate (20 liters/hectare), 10% DDT in diesel oil (10 liters/hectare), a 2.5% aqueous emulsion of "metafos" (parathion plus methylparathion; 10 liters/hectare), and a 6.8% solution of 90% technical Dipterex (20 liters/hectare). Spraying produced a death rate of 96–99% in 2–3 days, and two sprayings reduced the residual infection to 0.1–0.2%. The author mentions that 10,000 hectares were sprayed by this method in Poltava oblast in 1964, but that the technique is not yet widely used in other parts of the Ukraine, due to insufficient dissemination of information.

Card 1/2

L 1469-66

ACCESSION NR: AP5012833

ASSOCIATION: Poltavskiy SKhI (Poltava SKhI) ^{44/55}

SUBMITTED: 00

NO REF SOV: 000

SUB CODE: LS, UC

ENCL: 00

OTHER: 000

Card 2/2

BRUNO, S., ing.

Radiodispatcher. St si Teh Buc 16 no,12;44-45 D '64.

POLAND/Chemical Technology - Chemical Products and Their
Applications - Food Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37867

Author : Brunon, P.
Inst :
Title : Pomade.

Orig Pub : Przegl. Piekarn. Cukiern., 1957, 5, No 9, 17

Abstract : Process for making pomade for confectionary is described.

Card 1/1

36

ALEKSEYEV, Semen Mikhaylovich; BALKIND, Yakov Vladimirovich; GERSHKOVICH,
Aleksandr Mironovich; YEREMIN, Veniamin Semenovich; POVITSKIY,
Aleksandr Solomonovich; UMANSKIY, Naum L'vovich; Prinyal uchastiye
LOBANOV, N.A., kand. tekhn. nauk; BRUNOV, A.G., inzh., retsenzent;
SOKOLOV, A.I., inzh., red.; BELEVTSVA, A.G., red. izd-va; SHERBA-
KOV, P.V., tekhn. red.

[Modern means for abandoning an airplane in an emergency] Sovremen-
nye sredstva avariinogo pokidaniia samoleta. Moskva, Gos. nauchno-
tekhn. izd-vo Oborongiz, 1961. 450 p. (MIRA 14:8)
(Pilot ejection seats) (Parachuting)

BRUNOV, Nikolay Ivanovich

"An Approach to the Problem of the Original Form of the Oldest Part of the
Kiev Church of St. Sophia," Izvestiya GAIMK (News of the State Academy of
the History of Material Culture), 1927, Vol. 5

Bol'shaya Sovetskaya Entsiklopediya, Vol. VI, 2nd ed., Moscow, 1949

BRUNOV, Nikolay Ivanovich

"Sketches on the History of Architecture," Vol. 1-2, Moscow-Leningrad, 1935-
1937; (Ocherk po istorii arkitektury)

Bol'shaya Sovetskaya Entsiklopediya, Vol. VI, 2nd ed., Moscow, 1949

BRUNOV, Nikolay Ivanovich

"An Approach to the Problem of the Independent Features of the Russian Architecture of the 10th-12th Centuries," in the book Russkaya arkhitektura, Moscow, 1940.

Bol'shaya Sovetskaya Entsiklopediya, Vol. VI., 2nd ed., Moscow 1949.

BRUNOV, Nikolay Ivanovich

"An Approach to the Problem of the Sources of Russian Architecture," *Vestnik Akad. nauk SSSR* (Herald of the Academy of Sciences USSR), 1944, No. 6

Bol'shaya Sovetskaya Entsiklopediya, Vol. VI., 2nd Ed., Moscow, 1949

BRUNOV, Nikolay Ivanovich

"The Architecture of Constantinople in the 9th-125h Centuries," Vizantiyskiy Vremennik (Byzantine Times), 1949, Vol. 2

Bol'shaya Sovetskaya Entsiklopediya, Vol. VI., 2nd Ed., Moscow, 1949.

BRUNOV, Boris Yakovlevich, dotsent; GOL'DENBERG, Lev Moiseyevich,
dotsent; KLYATSKIN, Isay Gertsovich, prof.; TSEYTLIN,
Lev Aleksandrovich, dotsent; LOMONOSOV, V.Yu., prof.,
retsenzent; GOL'DIN, O.Ye., dotsent, red.; ZHITNIKOVA, O.S.,
tekhn.red.

[Theory of the electromagnetic field] Teoriia elektromagnitnogo
polia. By B.IA.Brunov i dr. Moskva, Gosenergoizdat, 1962.
(MIRA 15:5)
511 p.
(Electric fields) (Magnetic fields)

MUSIL, V.; BRUNOVA, B.; NEMECEK, O.

New 1,2,-diphenyl-3,5-dioxopyrazolidine derivatives. Coll
Cz chem 29 no.7:1669-1674 Jl '64.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague.

DIVISOVA, G.; BRUNOVA, B.

Results of the surgical therapy of hydrophthalmos. Cesk. oftal. 20 no.6:453-459 N '64.

1. II, oculi klinika fakulty všeobecného lekarství Karlovy university v Praze, (prednosta akad. J. Kurz).

CZECHOSLOVAKIA

MUSIL, V.; MURATOVA, J.; NEMECEK, O.; BRUNOVA, B.; Research Institute of Pharmacy and Biochemistry (Vyzkumny Ustav pro Farmacie a Biochemii), Prague.

"Derivatives of Benzopyrazone."

Prague, Ceskoslovonska Farmacie, Vol 15, No 9, Nov 66, pp 460-465

Abstract /Authors' English summary modified/: 10 new 4-(halogen-benzoyl-ethyl)-1,2-diphenyl-3,5-dioxopyrazolidines were prepared using the reaction of quaternary salts of Mannich's bases, derived from the halogenated acetophenones with 1,2-diphenyl-3,5-dioxopyrazolidine. Toxicity, analgesic properties, and the effect on kaolin-induced inflammation and experimental pleurisy were investigated. Substances containing Cl in the 3- or 4-position have an antiinflammatory effect; substitution of F reduces this effect, and substitution of Br or I completely removes it. All the halogenated substances had higher toxicity than benzopyrazone. 5 Figures, 3 Tables, 12 Western, 6 Czech references. (Manuscript received 25 Jun 66).

1/1

BRUNOVA, R.Ya.; BURYAKOV, A.G.; ZUSMANOVICH, V.M.

Reproduction of semitones in the black-and-white television image.
(MIRA 11:8)
Tekh. kino i telev. no. 8:9-18 Ag '58.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut televideniya.
(Television--Transmitters and transmission)

SMIT, V.A.; SENENOVSKIY, A.N.; BIRINSKIENSKAYA, I.I.; POKROVKA, S.L.;
KUCHEROV, V.F.

Nonenzymatic stereospecific cyclization of isoprenoids. Dokl.
(MIRA 18:2)
AN SSSR 160 no.4:849-852 F '65.

i. Submitted July 28, 1964.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0

Chemical Institute of Canada, Division of Research, Ottawa, Ontario, Canada
Polymerizability of some N-methyl compounds. V. S. Palkovits,
no. 5-925-028 pg 164.
Institute khimi polimerov i kompozitov Akad. Nauk SSSR

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0"

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Z/045/62/000/001/001/00:
D291/D304AUTHOR: Brunovsky, Pavol (Bratislava)TITLE: On the Emden-Fowler equation in the case where $n < 1$

PERIODICAL: Matematicko-fyzikálny časopis, no. 1, 1962, 60-80

TEXT: The article discusses the asymptotic properties of the positive solution of differential equations

$$\frac{d^2u}{dt^2} - t^\sigma u^n = 0 \quad (1)$$

and

$$\frac{d^2u}{dt^2} + t^\sigma u^n = 0 \quad (2)$$

Card 1 / 6

X

On the Emden-Fowler ...

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where n is an "odd" rational number (i.e. $n = p/q$, where p and q are odd numbers) fulfilling the inequality $0 < n < 1$. So-called Emden-Fowler equations

$$\frac{d}{dt} \left(t^{\rho} \frac{du}{dt} \right) + t^{\sigma} u^n = 0, \text{ in case } \rho \neq 1$$

can be transformed on equations type (1) and (2). It is shown that in the case where $0 < n < 1$ similar asymptotic solutions - only for different σ - are obtained as in the case $n > 1$. After listing some lemmas and auxiliary symbols, the author goes on to discuss the possible solutions of Eqs.(1) and (2). The first theorem states that all positive solutions for Eqs. (1) and (2) are regular. To solve Eq. (1), the following theorems are established and proven: if $\sigma + 2 < 0$, all positive solutions satisfy one of the expressions

Card 2/ 6

X

On the Emden-Fowler ...

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1. $u = \gamma_1 t^\omega$

2. $u \sim ct$ ($c > 0$)

3. $u = c + \frac{c^n t^{\sigma+2}}{(\sigma+1)(\sigma+2)} \left[1 + \sigma(1) \right]$ ($c > 0$)

where $\omega = \frac{\sigma+2}{1-n}$ and $\gamma_1 = \left[\frac{(\sigma+2)((\sigma+n+1)}{(1-n)^2} \right]^{\frac{1}{n-1}}$

3) If $\sigma + n + 1 > 0$, all positive solutions satisfy the expression

$$u \sim \gamma_1 t^\omega \quad (c > 0)$$

Card 3/6

X

32772

On the Emden-Fowler ...

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D291/D304

$$1. \quad u = \gamma_1 t^\omega$$

$$2. \quad u \sim ct \quad (c > 0)$$

$$3. \quad u = c + \frac{c^n t^{\sigma+2}}{(\sigma+1)(\sigma+2)} \left[1 + \sigma(1) \right] \quad (c > 0)$$

$$\text{where } \omega = \frac{\sigma+2}{1-n} \text{ and } \gamma_1 = \left[\frac{(\sigma+2)((\sigma+n+1)}{(1-n)^2} \right]^{\frac{1}{n-1}}$$

3) If $\sigma + n + 1 > 0$, all positive solutions satisfy the expression

$$u \sim \gamma_1 t^\omega \quad (c > 0)$$

Card 3/6

X

On the Emden-Fowler ...

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D291/D304

4) If $\sigma + n + 1 < 0 \leq \sigma + 2$, all positive solutions satisfy the ex...

$$u \sim ct \quad (c > 0)$$

5) If $\sigma + n + 1 = 0$, all positive solutions satisfy the expression

$$u = t^{1+\sigma(1)}$$

In solving the equation type (2), it must be considered that in some cases oscillating solutions are also possible. Abstractor's note: These are not treated in this paper, and that positive solutions must be concave and monotonic. To solve Eq. (2), the following theorems are established and proven: 6) If $\sigma + 2 < 0$, all positive solutions satisfy one of the expressions

Card 4/6

X

On the Emden-Fowler ...

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Z/045/62/000/001/001/001
D291/D304

1. $u \sim ct$ ($c > 0$)

2. $u = c - \frac{c^n t^{\sigma+2}}{(\sigma+1)(\sigma+2)} \left[1 + \sigma(1) \right]$ ($c > 0$)

7) If $\sigma + 2 = 0$, all positive solutions satisfy the expression

$u \sim ct$ ($c > 0$)

8) If $\sigma + n + 1 < 0 < \sigma + 2$, all positive solutions satisfy one of the expressions

1. $u \sim \gamma_2 t^\omega$

Card 5/6

X

32772

On the Emden-Fowler ...

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D291/D304

where

$$\omega = \frac{\sigma+2}{1-n} \quad \text{and} \quad \gamma_2 = \left[-\frac{(\sigma+2)(\sigma+n+1)}{(1-n)^2} \right]^{\frac{1}{n-1}} \quad (7)$$

2. $u \sim ct$ $(c > 0)$

If $2\sigma + n + 3 < 0$, Eq. (2) has no oscillating solution. 9) If $\sigma + n + 1 \leq 0$, Eq. (2) has no positive solution. There are 3 Soviet-bloc references.

ASSOCIATION: Ústav strojov a automatizácie Slovenskej akadémie vied v Bratislave (Institute for Machinery and Automation of the Slovak AS in Bratislava)

SUBMITTED: November 11, 1961

Card 6/6

X

BRUNOVSKIY, V.; KACHALOV, M.

Machine-Tractor Stations

Leading mechanizers of northern Kazakhstan. MTS 12 no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952 [1953], Uncl.

BRUNOV^T, E. P.

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie shkol. Teaching the topic "The organs of blood circulation" in a course in human anatomy and physiology for secondary schools; methodology Moskva, Gos uchebno-pedagog. izd-vo, 1952. 39 p. (54-29093)

QML78.R8

1. Cardiovascular system. 2. Blood - Circulation. I. Brunov^T, E. P.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0

BRUNOVIT, Ye. P.

Lessons on the ~~s~~ubject "Higher nervous function of man" (8th grade).
Ext v shkole No 2, 1952.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0"

BRUNOVТ, Ye.P., kandidat pedagogicheskikh nauk.

Developing the concept of the unity of the organism with its external environment in lessons on the subjects of "skin," "organs of secretion," "endocrine glands." Met.v shkole no.6:63-70 '53. (MLRA 6:10)

1. Institut metodov ^{Instruction} obucheniya Akademii pedagogicheskikh nauk RSFSR.
(Physiology--Study and teaching)

BRUNOWT, Ye. P.

[Method of teaching human anatomy and physiology] Metodika prepo-
davaniia anatomii i fiziologii cheloveka. Moskva, Izd-vo Akademii
pedagogicheskikh nauk, 1954. 477 p. (MIRA 7:?)
(Anatomy, Human--Study and teaching) (Physiology--Study and
teaching)

~~BRUNOV~~ Yevgeniya Pavlovna; MALAKHOVA, Galina Yakovlevna; DEMINA, M.F.,
redaktor; MUKHINA, T.N., tekhnicheskiy redaktor

[Methods of developing concepts in a course on human anatomy and
physiology] Metodika formirovaniia poniatii v kurse anatomii i
fiziologii cheloveka. Moskva, Izd-vo Akademii pedagog. nauk RSFSR,
1956. 42 p.

(MLRA 9:8)

(ANATOMY, HUMAN--STUDY AND TEACHING)
(PHYSIOLOGY--STUDY AND TEACHING)

Brunovt, Ye.P.

USSR/General Division - Problems of Teaching.

A-7

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25782

Author : Brunovt, Ye.P.

Inst :

Title : Changes in Biology Curricula

Orig Pub : Yestestvozn. v shkole, 1956, No 4, 26-27

Abst : Zoology, human anatomy and human physiology curricula for 1956/1957 have been somewhat modified. Zoology is confined to 3 hours a week in VIIth grade. The sequence of topics and headings remain unchanged, but certain topics have been curtailed in scope, while within others, the subject matter is ordered differently. The topic "Farm mammals" has been shortened and simplified, since it is given fuller treatment in more advanced grades. For the first time, a special 22-hour curriculum of applied zoology is introduced. The new program of human physiology and anatomy is somewhat simplified as compared

Card 1/2

Inst. metodov obucheniya v Akademii pedagogicheskikh nauk RSFSR

USSR/General Division - Problems of Teaching.

A-7

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25782

to the earlier version, while the order of presentation has been made more logical and easier to put into practice. For example, in the study of the circulatory system, first to be studied is blood and its function, and only then are the circulatory organs described.

Card 2/2

BRUNOV, Ye.P., kandidat pedagogicheskikh nauk.

Development of mental alertness in students during human
anatomy and physiology classes. Est. v shkole no.6:34-41
N-D '56.

(MLRA 9:12)

1. Institut metodov obucheniya Akademii pedagogicheskikh nauk
RSFSR.

(Anatomy, Human--Study and teaching)
(Physiology--Study and teaching)

BRUNOV, Ye.P., kand. ped. nauk.

Method of developing in students the concept of the organism as an indivisible unity. Biol. v shkole no.1:38-43 Ja-F '58. (MIRA 11:1)

1. Institut metodov obucheniya Akademii pedagogicheskikh nauk RSFSR.
(ANATOMY, HUMAN--STUDY AND TEACHING)
(PHYSIOLOGY--STUDY AND TEACHING)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0

BRUNOV~~T.~~, Ye.P., kand.ped.nauk

Use of different teaching methods in the biology class. Biol.v.
shkole 6:12-17 N-D '58. (MIRA 11:11)

1. Institut metodov obucheniya APN RSFSR.
(Biology--Study and teaching)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0"

BRUHOVT, Yevgeniya Pavlovna; PROFERANSOVA, N.V., red.; TARASOVA, V.V.,
tekhn.red.

[Study of human anatomy and physiology in the secondary school]
Izuchenie anatomii i fiziologii cheloveka v srednei shkole.
Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1960. 285 p.

(ANATOMY--STUDY AND TEACHING)
(PHYSIOLOGY--STUDY AND TEACHING)

(MIRA 14:1)

BRUNOV, Ye.P., kandidat pedagogicheskikh nauk

Creative method of conducting lessons in biology. Biol.
v shkole no.4:22-27 Jl-Ag '60. (MIRA 13:7)

1. Institut metodov obucheniya Akademii pedagogicheskikh nauk
RSFSR.
(Biology--Study and teaching)

BRUNOV^T, Ye.P., kand.pedagogicheskikh nauk

Ways to activate the educational process during the lessons on human anatomy and physiology. Biol. v shkole no.4:26-30 Jl-Ag '61.
(MIRA 14:7)

1. Institut obshchego i politeknicheskogo obrazovaniya Akademii pedagogicheskikh nauk RSFSR.

(Anatomy, Human--Study and teaching)
(Physiology--Study and teaching)

BRUNOV, Ye. P.

"Systematizing student knowledge in a course in human anatomy
and physiology" (on I.D. Zverev's book). Biol. v shkole no.1:
90-91 Ja-F '63.
(MIRA 16:6)

1. Institut obshchego i politekhnicheskogo obrazovaniya
Akademii pedagogicheskikh nauk RSFSR, Moskva.
(ANATOMY, HUMAN-STUDY AND TEACHING)
(PHYSIOLOGY-STUDY AND TEACHING)
(ZVEREV, I.D.)

L 06358-67 EWT(1) GW
ACC NR: AR6013397

SOURCE CODE: UR/0269/65/000/011/0046/0047

57
13

AUTHORS: Bruns, A. V.; Nikulin, N. S.; Severnnyy, A. B.

TITLE: New method for simultaneous recording of the transverse magnetic field parameters

SOURCE: Ref. zh. Astronomiya, Abs. 11.51.412

REF SOURCE: Izv. Krymsk. astrofiz. observ., v. 33, 1965, 80-85

TOPIC TAGS: solar magnetic field, transverse magnetic field, magnetic field measurement, analog computer

ABSTRACT: A method is described which allows the simultaneous recording of both components of the transverse field and the direct recording of the transverse vibration azimuth χ on a strip chart by reprocessing the signals. This is accomplished by placing in front of the entrance slit of the spectrograph a plane polarization analyzer made in the following manner. A compound plate of two quarter-wave plates whose axes cross at 45° is placed in front of an ordinary circular polarization analyzer consisting of an ammonium phosphate crystal and a polaroid. The plate mount is the armature of a polarized relay to which is supplied a 20-hz voltage from an audio oscillator. Thus the angle between the extraordinary axis of the quarter-wave plate and the principal axis of the crystal alternately takes the values 0° or 45° , which allows the simultaneous recording of both signals. To calculate the vibration

Card 1/2

UDC: 522.61

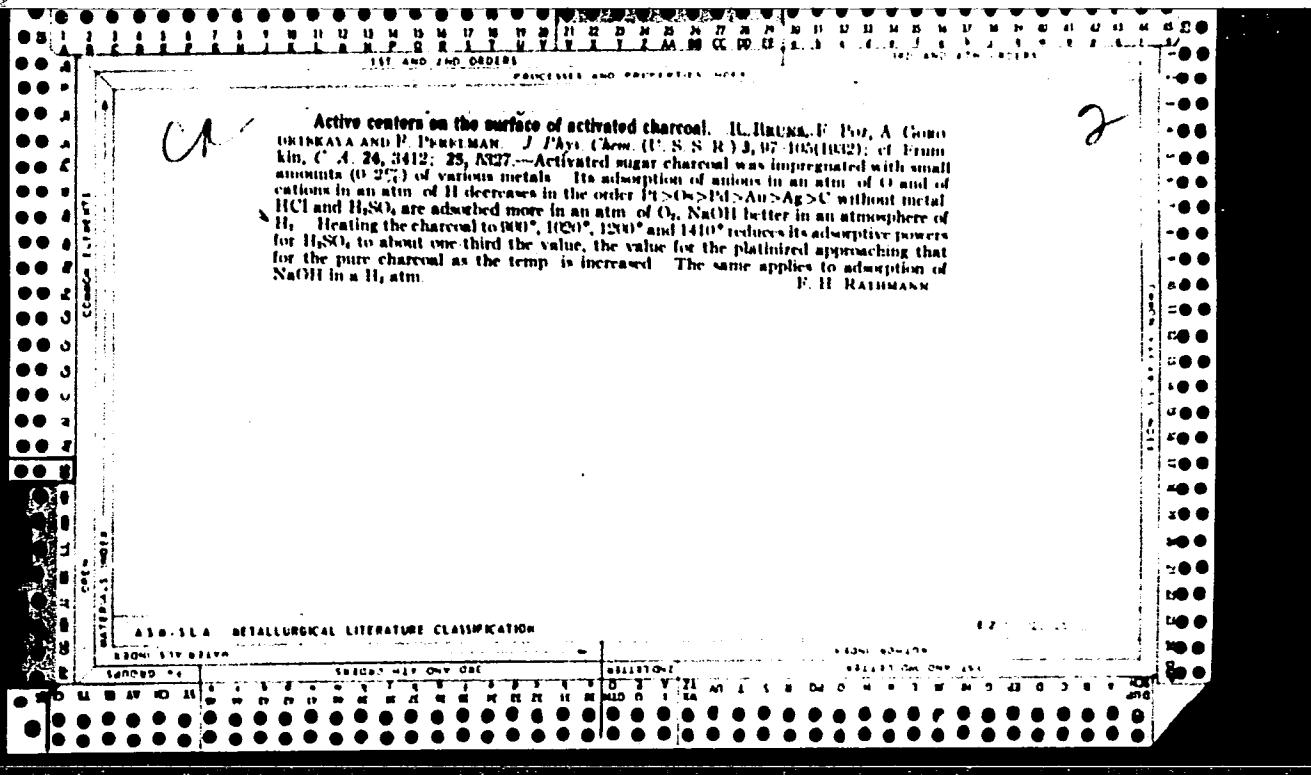
S 00000007

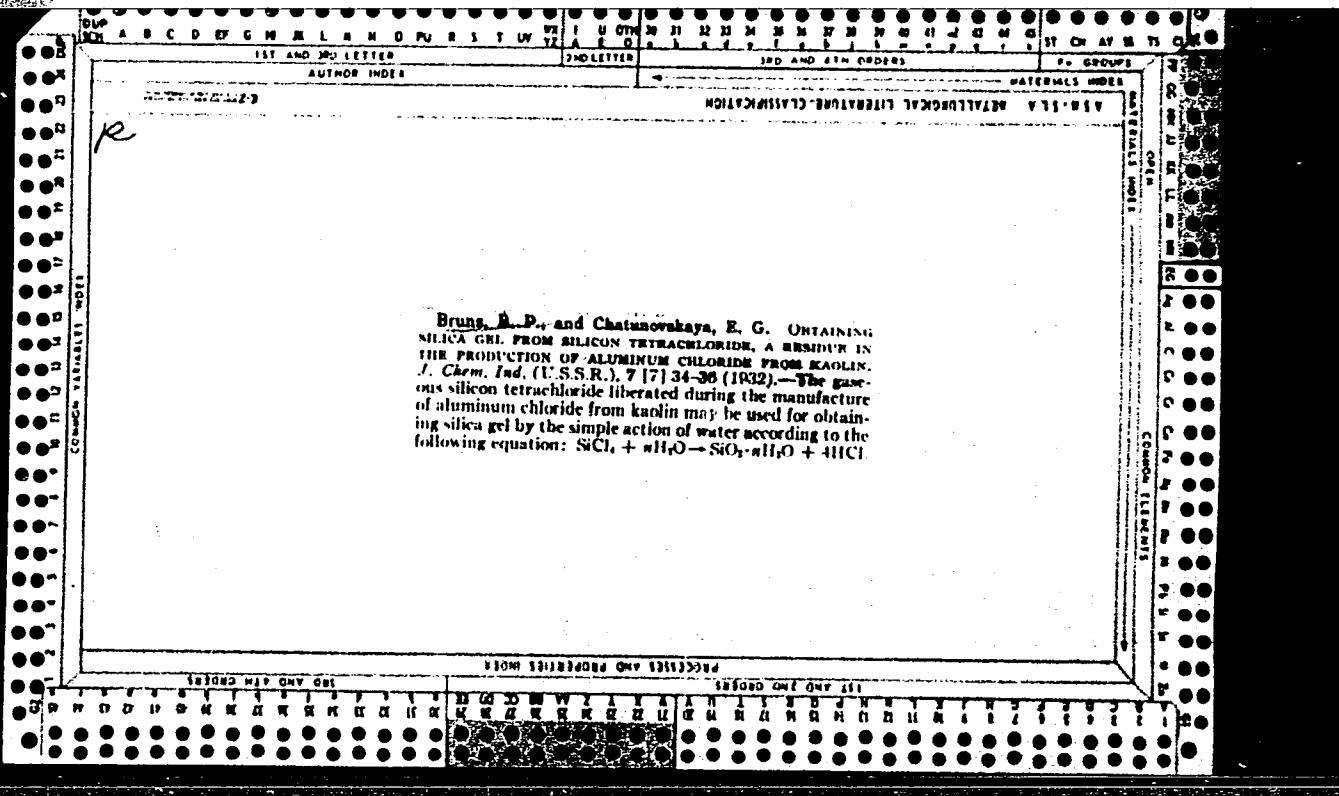
ACC NR: AR6013397

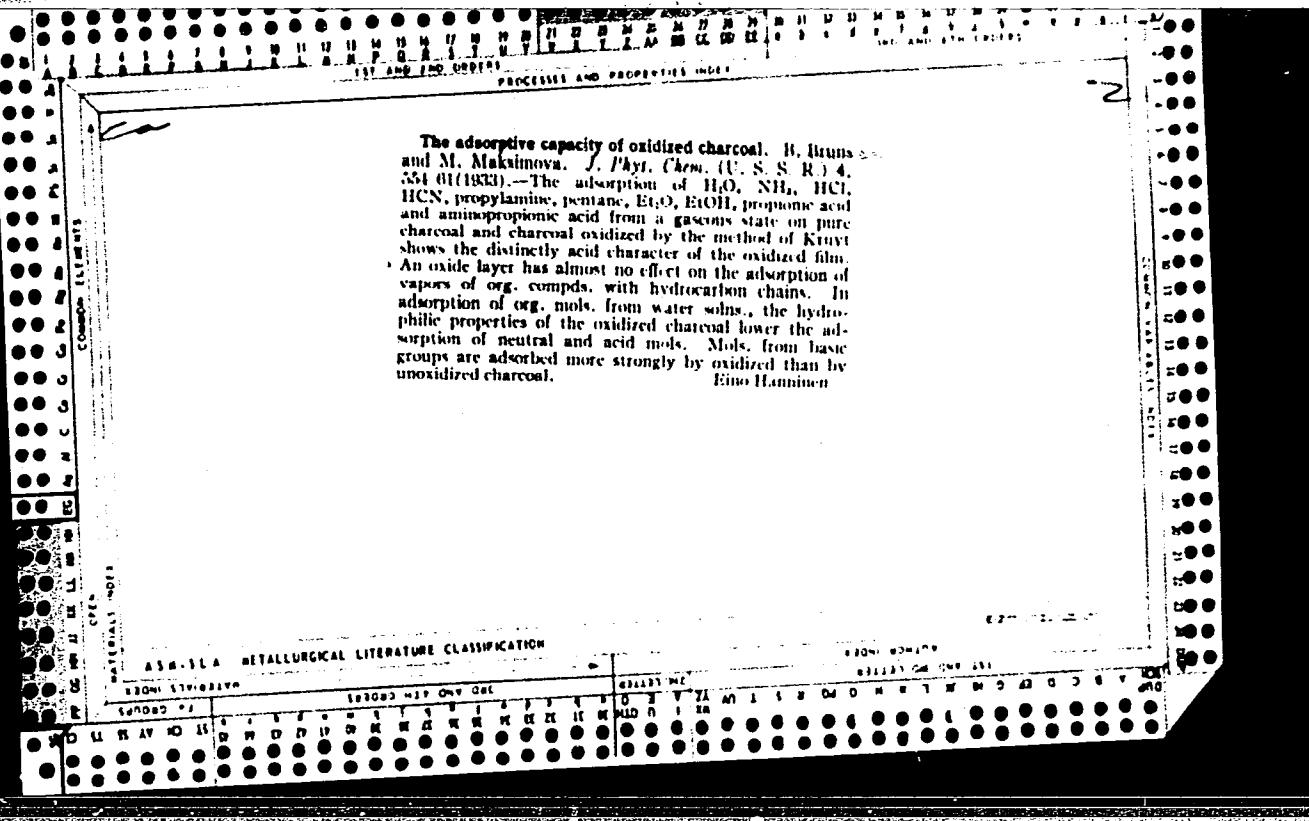
azimuth χ , an analog computer was developed which makes algebraic calculations with electrical quantities proportional to the trigonometric functions. The principle of operation and a block diagram of the device are discussed in detail. The instrument has an insensitive region with a shift in sign of one of the signals in the limits 5--11°. Other possible methods for constructing an instrument for calculating the magnitude and azimuth of the transverse field are mentioned. V. Obridko [Translation of abstract]

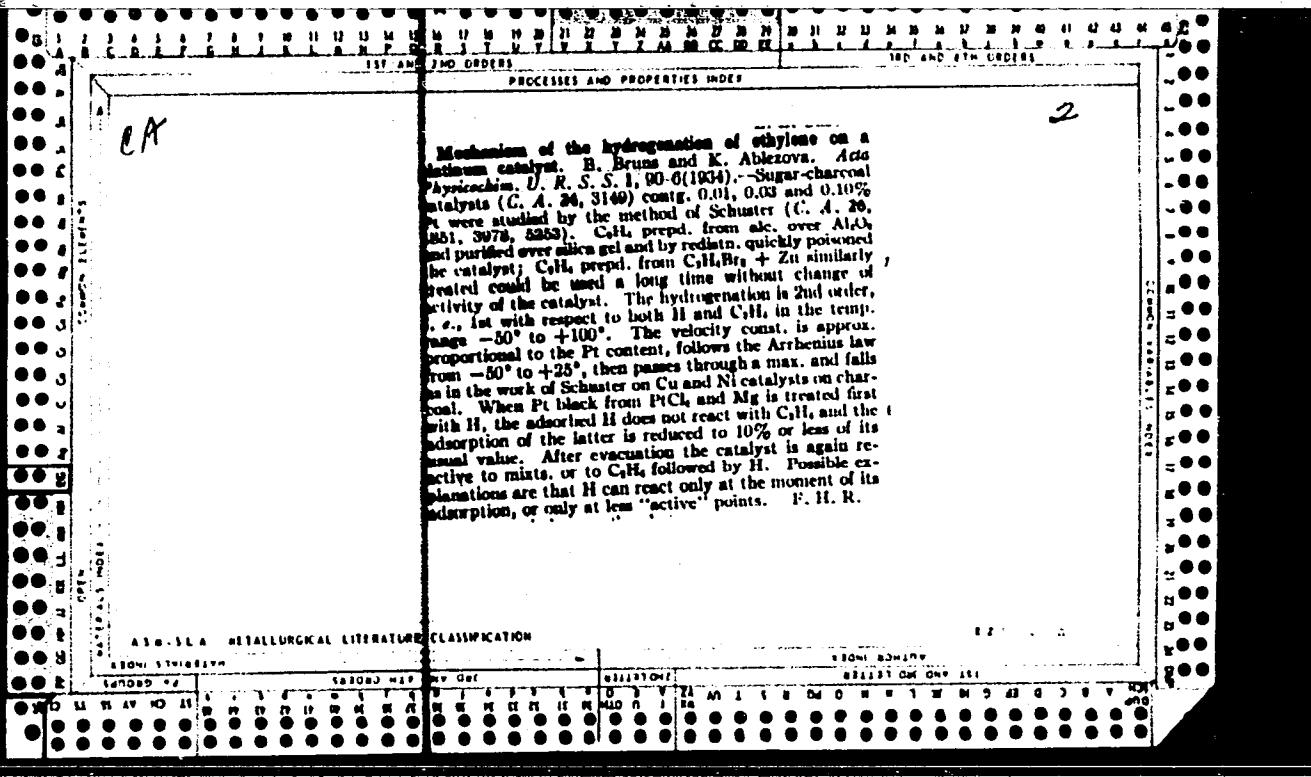
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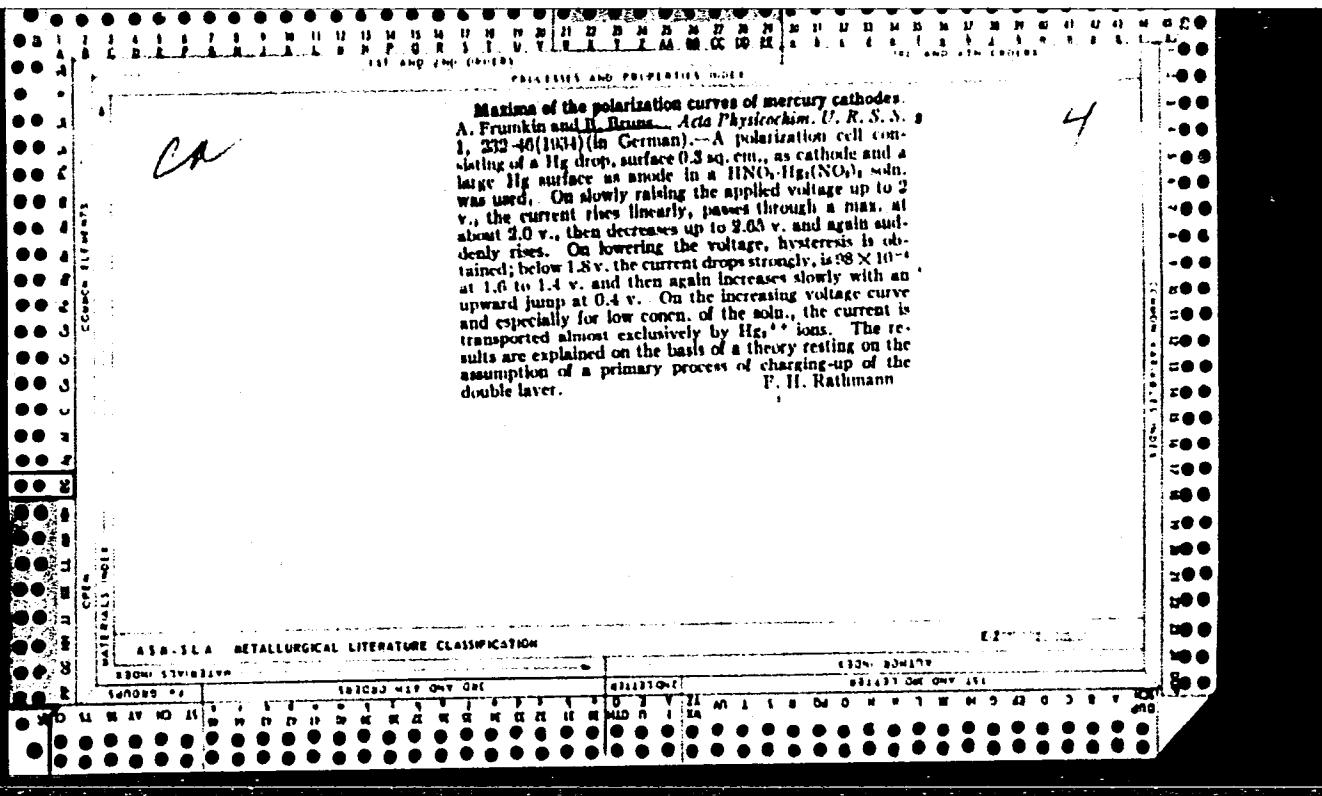
Card 2/2 m/s

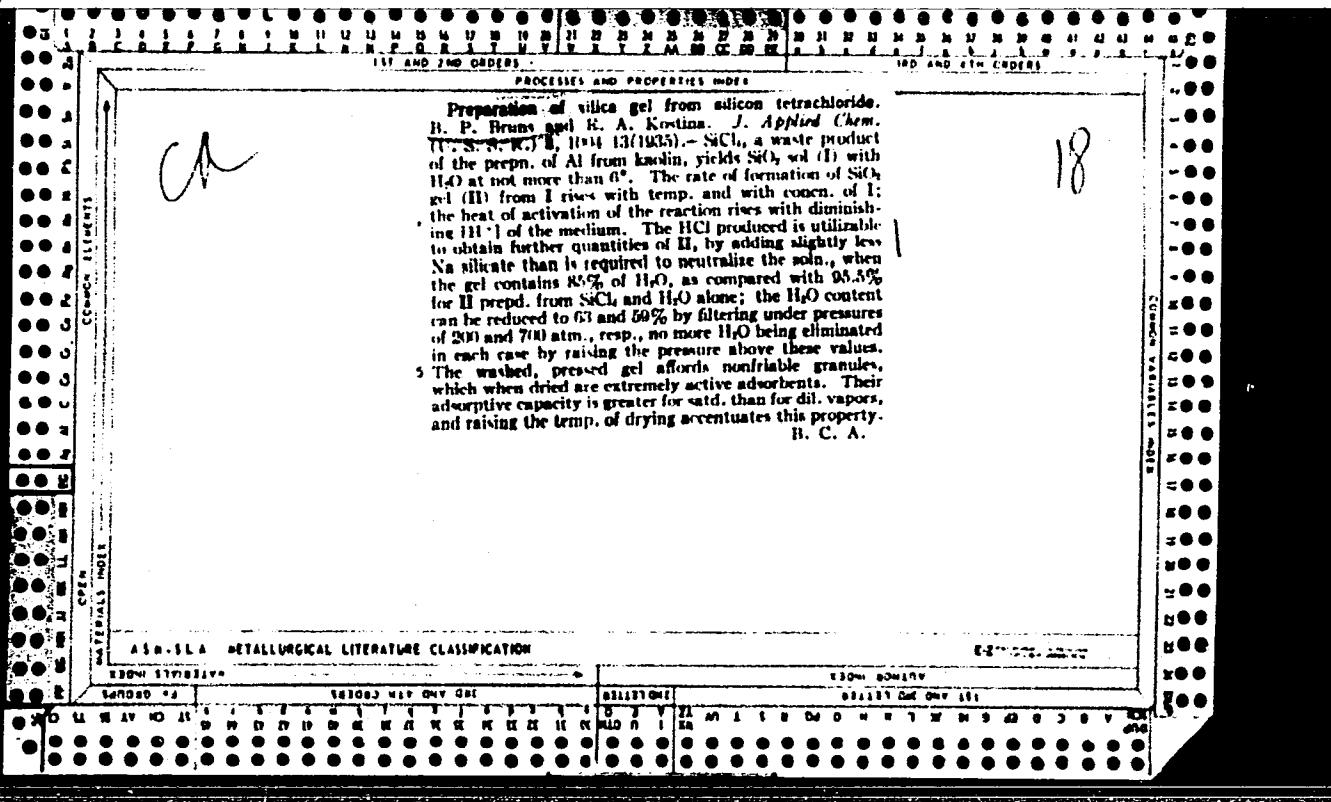






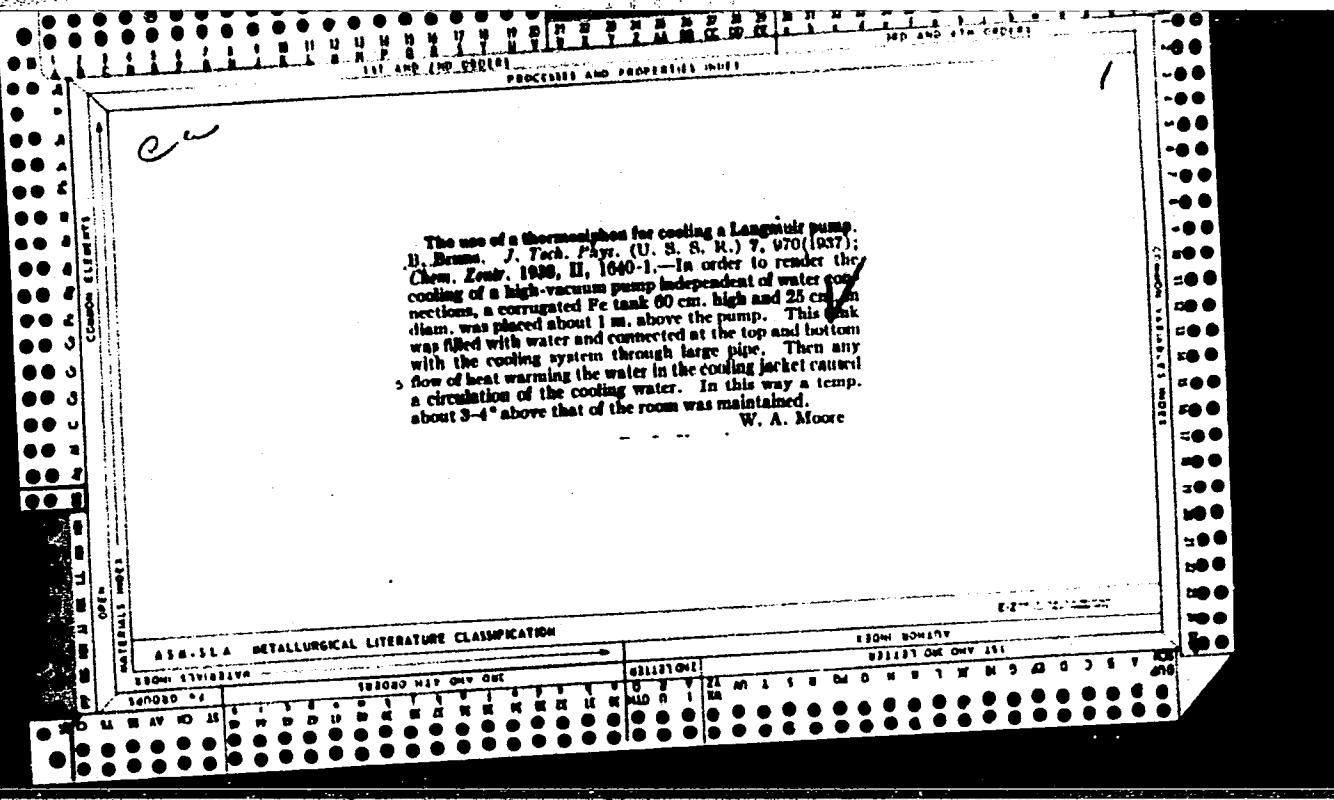


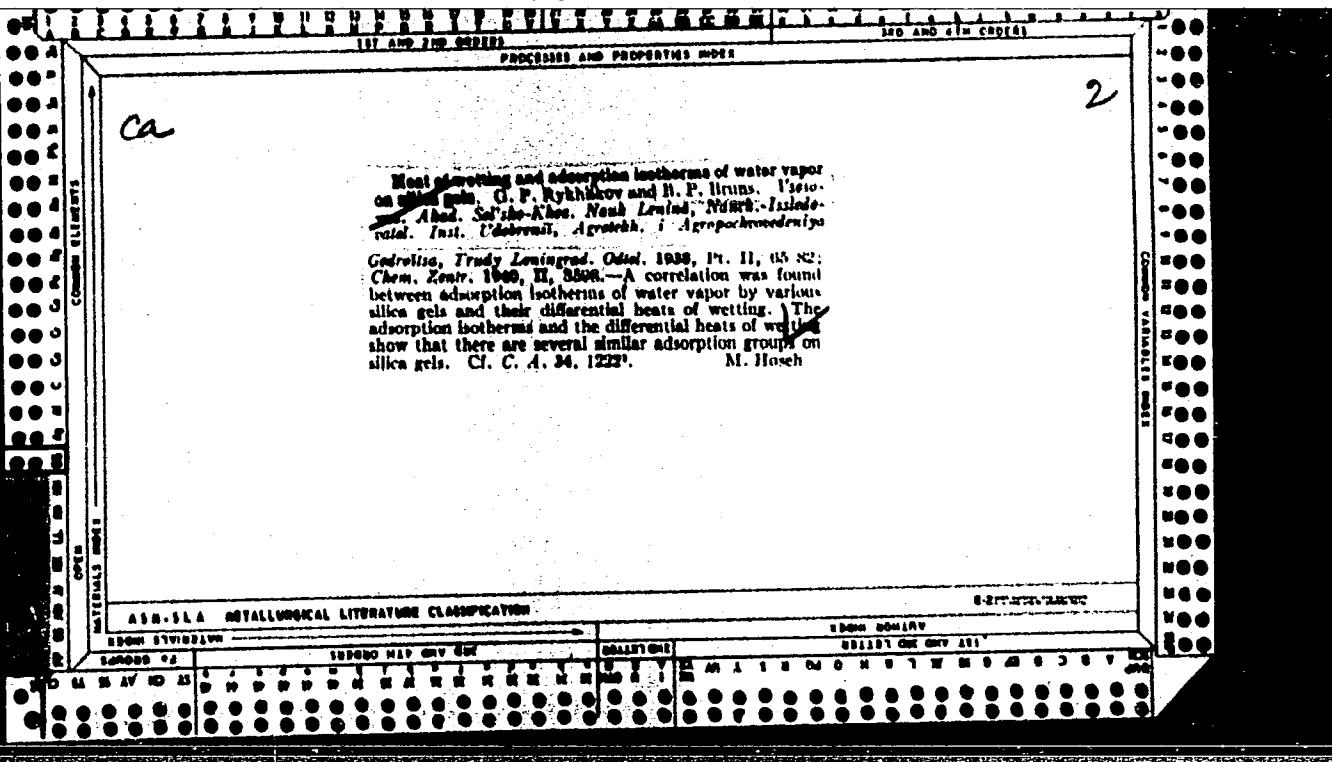




Laboratory cell for oxygen-hydrogen with automatic mixing of the electrolyte. A. Kolevnikov and B. Brungs. *J. Tech. Phys.* (U. S. S. R.) 7, 910 (1937); *Chem. Zentralbl.* 1939, II, 1020.—In order to prevent diln. of the electrolyte with consequent decrease in c. d. and excessive attack of the anode due to increased Cl⁻ concn. (NaCl, impurity), electrolysis of the H₂O + NaOH was carried out in a tube-shaped cell with Ni electrodes. The anode was en-

closed in a glass tube which extended down under the bend of the U-tube. The upper end of this tube, below the solid level, was fused to a capillary open at the end through which the O_2 evolved escaped. As the O_2 carried along with it a part of the soln., continuous mixing of the electrolyte was effected. With this arrangement the c. d. remained const. through uninterrupted operation for 12 days.





BC

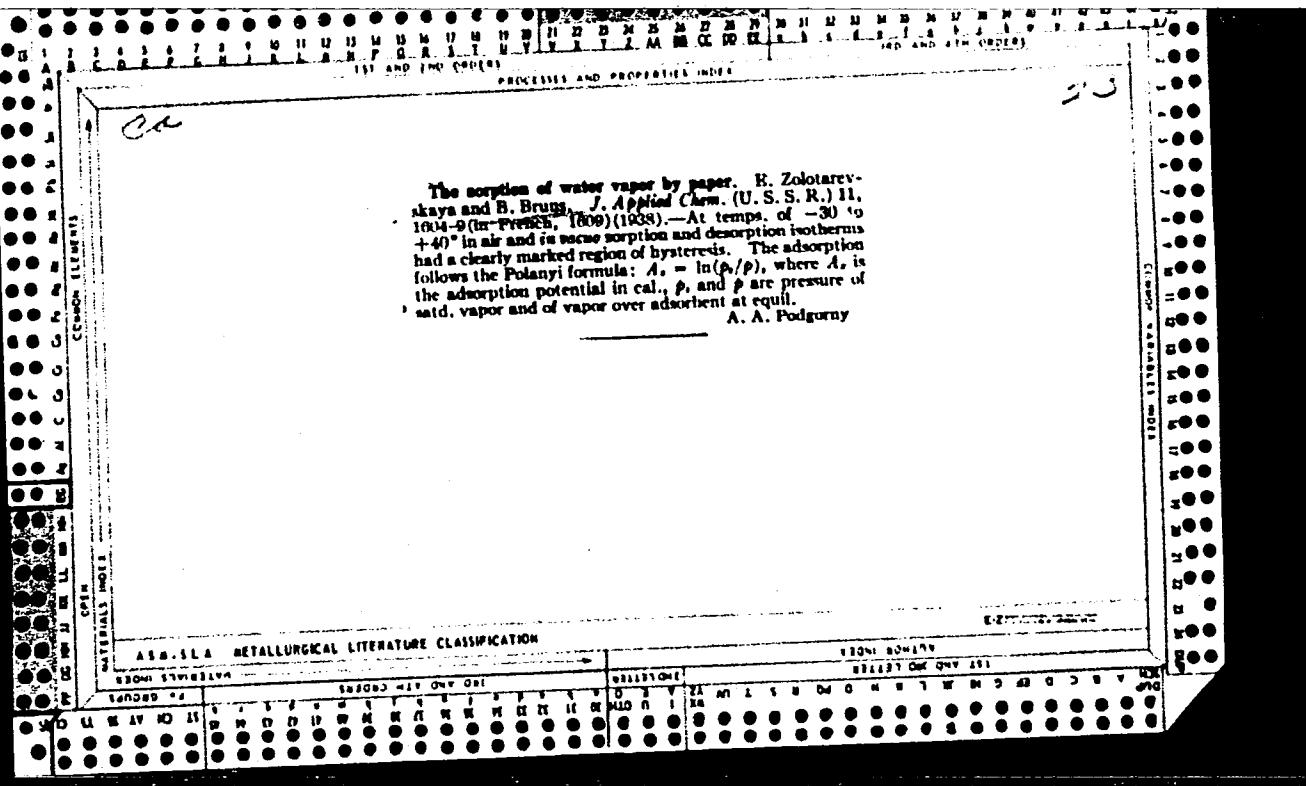
A-1

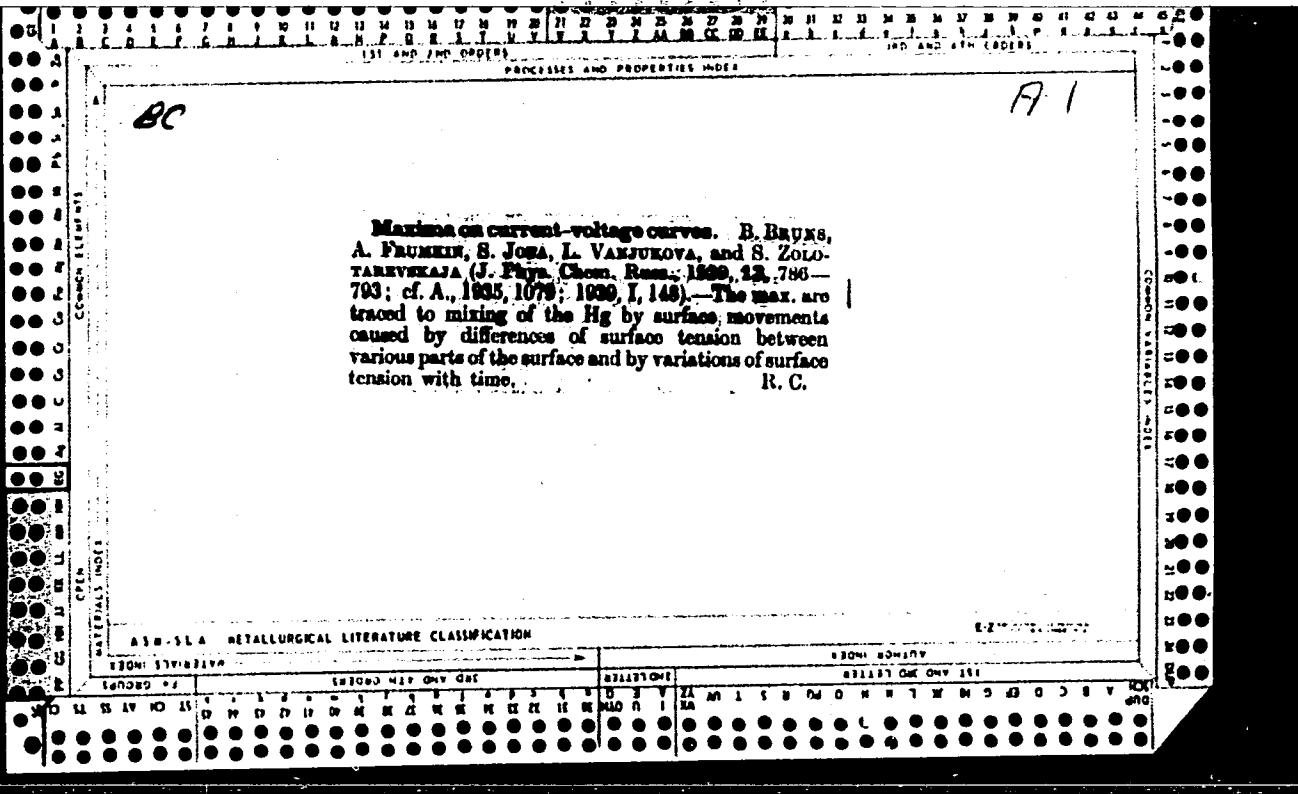
Maxima on current-voltage curves. B. BREDA,
A. FRUMKIN, N. JOVA, I. VANJUKOVA, and S. ZOLO-
TAROVSKAJA (*Acta Physicochim. U.R.S.S.*, 1938, 9,
359-372; cf. A., 1934, 1079).—Current-voltage
curves at a Hg cathode in solutions of $Hg(NO_3)_2$, under
various conditions have been measured. A theory
is outlined which attributes the max. on the current-
voltage curve to the "auto-stirring" caused by the
movements of the Hg surface, which are related to
local differences of interfacial tension or to variations
of this tension with time. A method of measuring
the potential of a Hg cathode at different points in
the surface is described.

AIR-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110018-0"





MAYDANOVSKAYA, L., and BRUNS, B.

"The Adsorption Heats of Hydrogen on Platinum--I." Zhur. Fiz. Khim.; 13, No. 2,
1939; Physico-Chem. Insti. imeni L. Ya. Karpov, Dept of Surface Phenomena;
Rcd 27 May 1938.

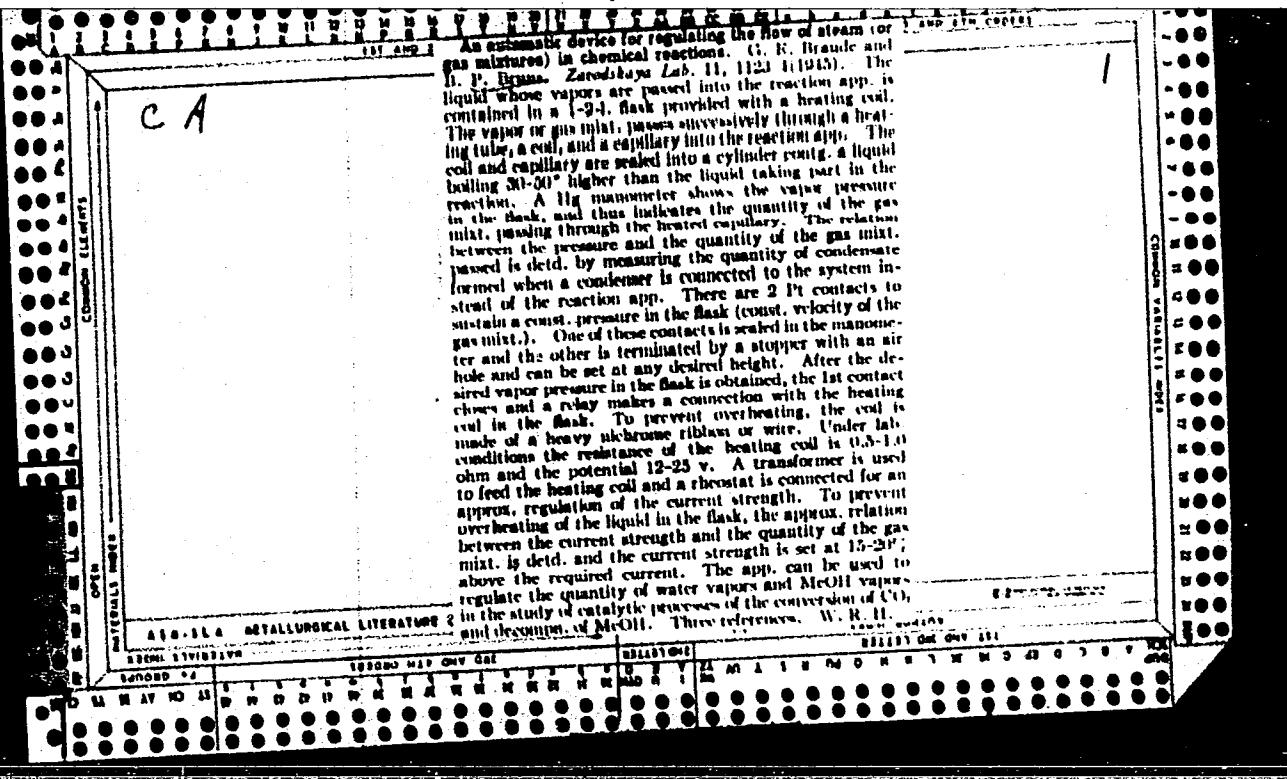
Report U-1613, 3 Jan. 1952

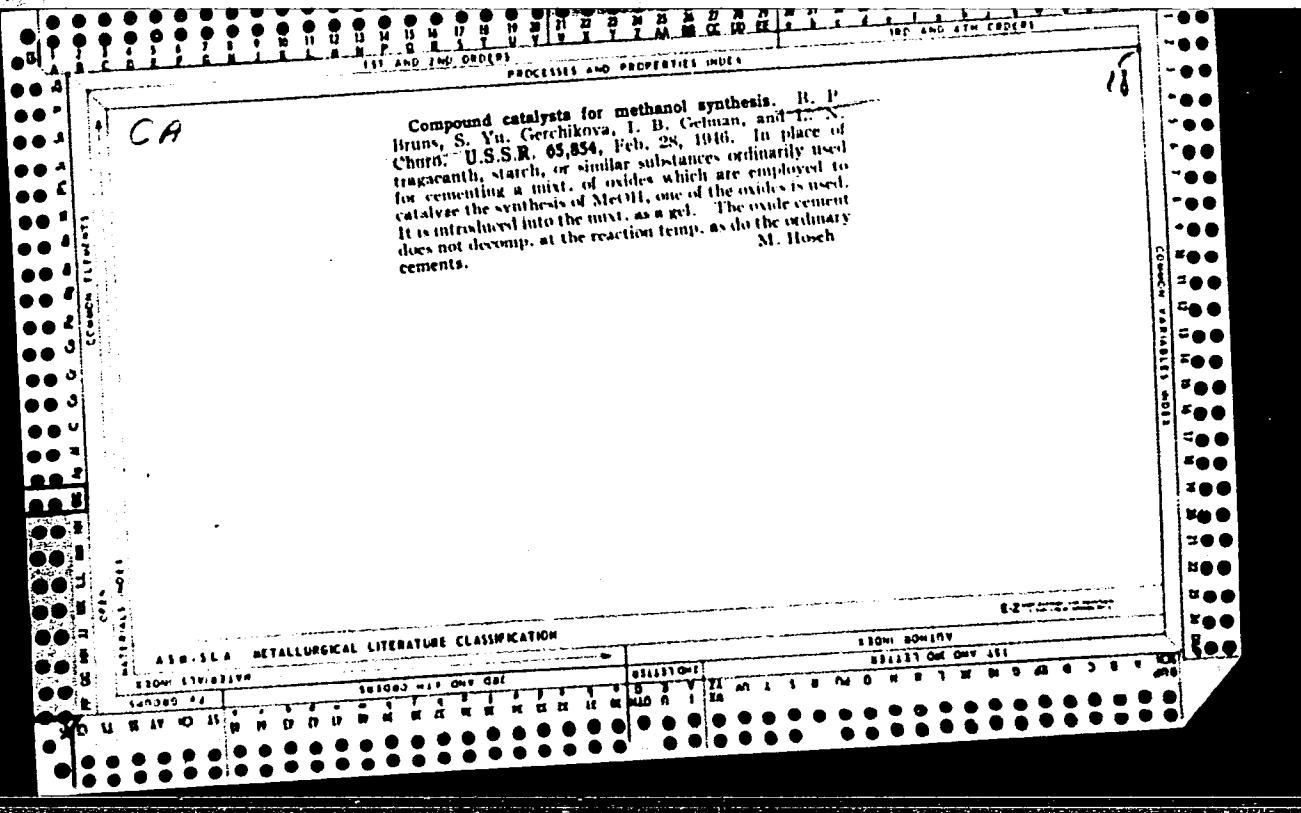
BW 100.

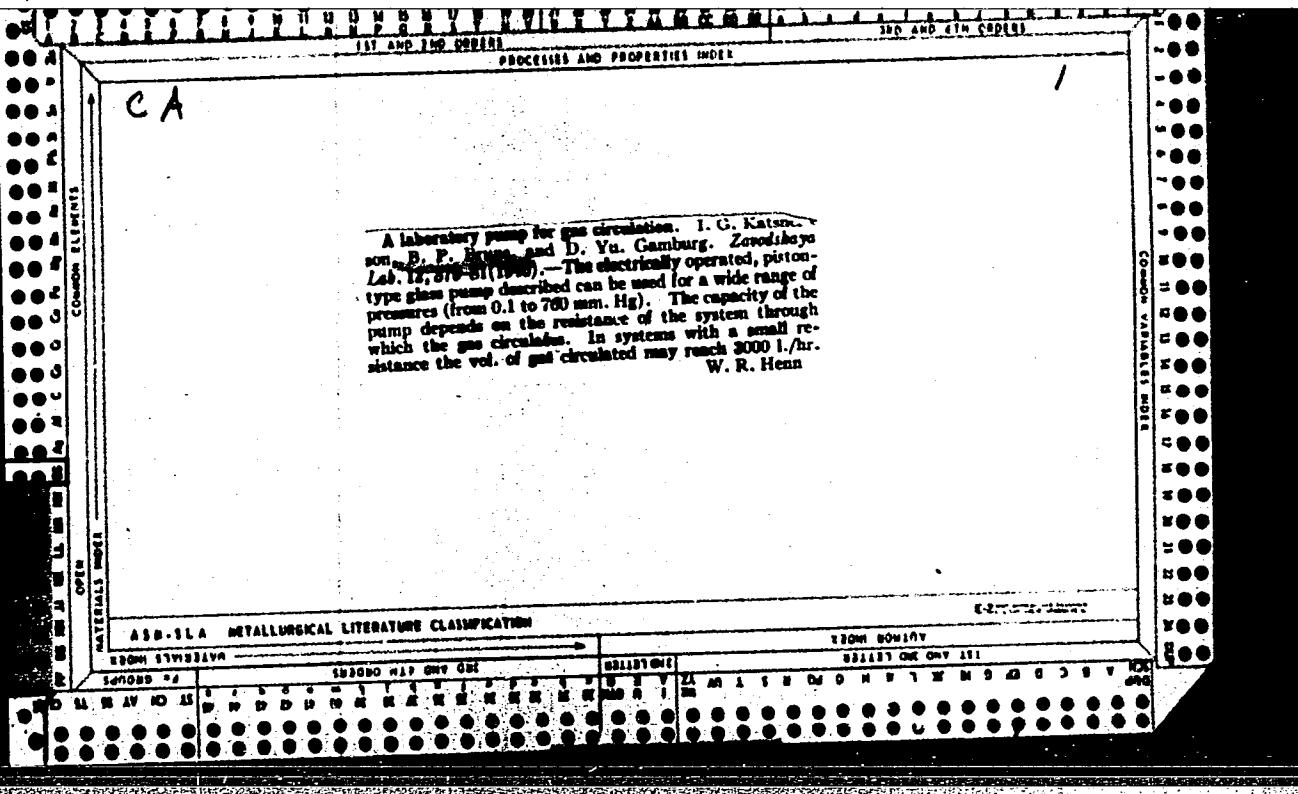
Hg-5 solution, Agar solution,
mercury

No. 5

Wetting and swelling of graphite. P. Tschugunov and R. Bruns.
(Acta Physicochim. U.R.S.S., 1943, 18/351—357).—Measurements
of the contact angle (α) of H₂ bubbles on the surface of polished
graphite under n-H₂SO₄, -KCl, -KBr, -KI, -NaOH, and -Na₂SO₄
show that α_{min} occurs when the polarisation of the graphite is
~—0.2 V, referred to the Hg₂Cl₂ electrode. The highest val. of
 α is 36° (in H₂SO₄) and the lowest 21° (in NaOH), the val. in the
salt solutions being ~38°. Graphite was treated with a mixture
of H₂SO₄ and HNO₃, and excess of acid washed out of the swollen
graphite. The amount of O₂ evolved on immersion in alkali is
equiv. to the amount of fixed H₂SO₄, assuming the formation of
an acid salt. Similar results are obtained by anodic oxidation of
graphite in 80% H₂SO₄. C. R. H.







BRUNS, B.

USSR/Chemistry - Gases - Determination
Chemistry - Barium Compounds

Sep/Oct 1947

"The Determination of Some Gases by the Electrical Conductivity Method," B. Bruns, G. Braude, D. Tsiklis, State Scientific Research and Project Institute of the Nitrogen Industry, Moscow, 5 pp.

Zhurnal Analiticheskoy Khimii, Vol. II, No. 5

A Method is described for continuous determination of small (from 0.001 to 1%) concentration of CO₂, CO, CH₄ and other carbon containing gases by changes in the electrical conductivity of the solution of caustic barium. The method can be used in the presence of all components. (Continued)

32T9

BRUNS, B. P.

PA 24T7

USSR/Chemistry - Catalysis
Chemistry - Nitrogen

Sep 1947

"Phase Catalysis," B. P. Bruns, 7 pp.

"Zhur Fiziches Khim" Vol XXI, No 9, pp 1101-8.

The experiments described in the article were conducted at the Catalysis Laboratory, of the State Institute for Nitrogen Industries, Moscow. Among the conclusions was the fact that the catalytic process cannot be carried out in two different phases. Various reactions, such as the increase of the activity of platinum grids when ammonia is oxidized on them, show that in many catalytic processes the course of the reaction goes along with the established determined dynamic equilibrium between the reactive components and the hard catalyst.

24T7

BRUNS, B.

PA 67T17

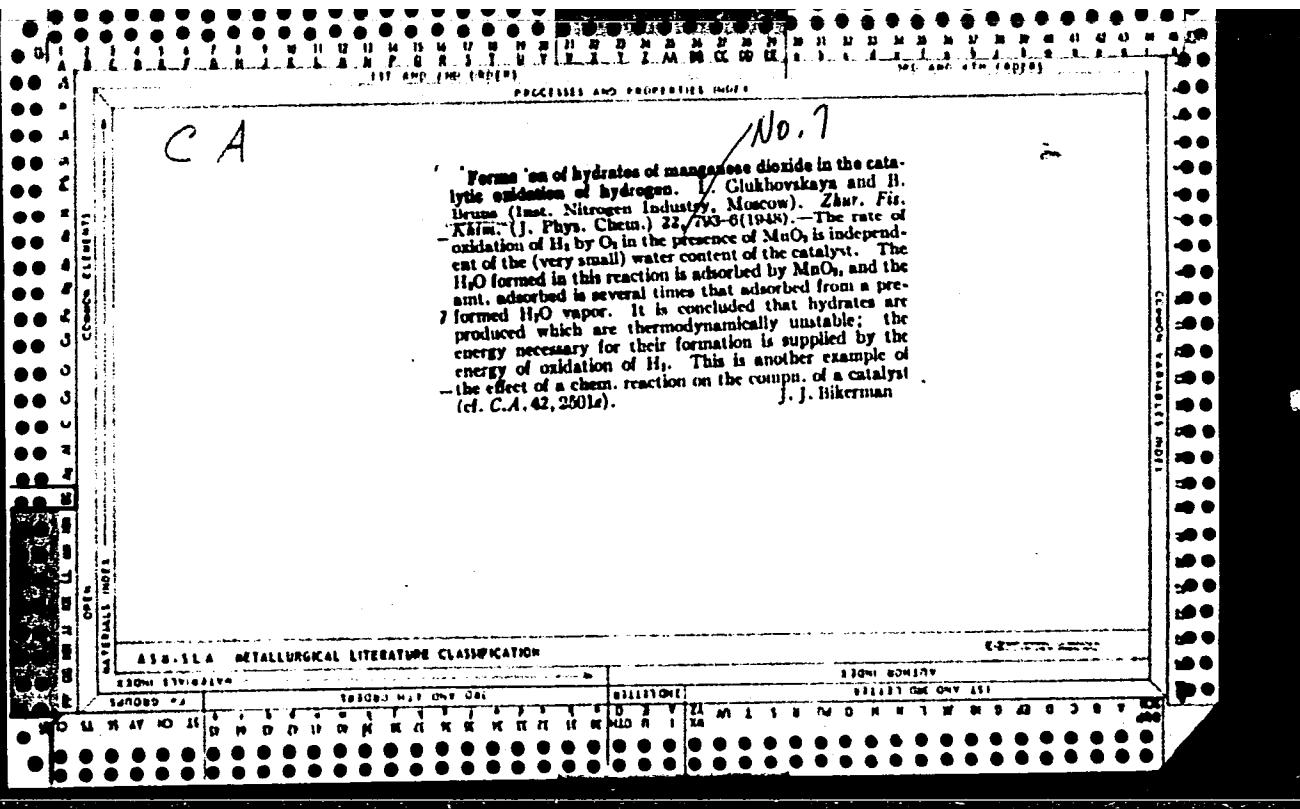
USSR/Chemistry - Catalysts, Metal Oxide
Chemistry - Carbon Monoxide, Hydrogenation of

Apr 1948

"Kinetics and Mechanism of Catalytic Hydrogenation of Carbon Monoxide: I,
Methodic Preparation of Metallic-Catalysts From Their Oxides and Their
Operation Without Contact With Air," G. Braude, N. Shurmovskaya, B. Bruns,
State Inst of Nitrogen Industries, Moscow, 3 pp

"Zhur Fiz Khim" Vol XXII, No 4

Describes method that permits every type of use of the catalyst without it coming
in contact with air. Method was used by authors to study the kinetics and
mechanisms of catalytic reactions on metallic catalysts. Submitted 25 Jul 1947.



2

The boundary of heterogeneous surfaces of disperse systems. - B. P. Bruns. *Problemy Kinetiki i Kataliza 7, Statist. Serien mit Beispielen aus Sistem. Akad. Nauk S.S.R.*, 430-51 (1949). — The results are given for 3 detns. of the surface structure of porous bodies. These detns. were carried out by measuring the heat effect in mol. adsorption; in the poisoning of a catalytic surface by a molecularly adsorbed poison; and in the activated adsorption of O. J. Roytar Leach

6. Obs.

C-4. General
Lab. Apparatus
~~General~~ - Miscellaneous)

2475. Universal laboratory condenser-distillation column. A. L.
Izlin and B. P. Ryzin (U. S. S. R. Chem. USSR, 1950, 8, 44-47).--
The apparatus of Leesone and Lochte (A., 1938, I, 536) is improved
and made suitable for distillation of corrosive liquids by the
substitution of a rotating glass tube in place of the metal band.
Diagrams, dimensions, method of use, and experimental results are
given. Almost quant. results were obtained in the distillation of
a mixture of about equal weights of methyl, ethyl, propyl, isobutyl,
and *n*-butyl alcohols. G. S. SMITH.

BRUNS B.
1A 170T13

Oct 50

USSR/Chemistry - Combustion Catalysts

"Catalytic Activity of MnO₂ and Its Specific Surface," N. A. Shurmovskaya, B. P. Bruns, Inst of Nitrogen Ind., Moscow

"Zhur Fiz Khim" Vol XXIV, No 10, pp 1174-78

Raising temperature at which MnO₂ is conditioned from 200°C to 300°C doubles this catalyst's activity in oxidation of CO. Further increase of temperature leads to decreased activity, particularly at 400-500°C, where dissociation of MnO₂ occurs. In the interval 0-400°C specific surface of MnO₂ changes insignificantly and comprises 140-115 m²/g.

1A 170T13

Oct 50

USSR/Chemistry - Combustion Catalysts
(Contd.)

At higher temperatures specific surface drops sharply and amounts to 56 m²/g at 500°C. Favorable effect of temperature of conditioning on catalyst's activity is due to formation of new active centers by removal of water or hydration, not to increase of total surface.

1A 170T13

BRUNS B. I.

USSR/Chemistry - Kinetics of Combustion Oct 50

Kinetics of the Combined Oxidation of CO and H₂ on MnO₂, M. I. Sillich, B. P. Bruns, Inst of Nitrogen Ind, Moscow

"Zhur Fiz Khim" Vol XXIV, No 10, pp 1179-87

Method for studying combined oxidation of CO and H₂ on solid catalysts has been worked out. Oxidation of CO on MnO₂ is 1st order reaction with respect to CO and zero order reaction with respect to O₂ both in presence and absence of H₂. Activation energy of oxidation of CO on MnO₂ is 1700 cal/mol in absence of H₂ and 1700 cal/mol in presence of H₂.

170714

USSR/Chemistry - Kinetics of Combustion Oct 50
(Contd)

Oxidation of H₂ and 7,000 cal/mol in presence of H₂. Oxidation of H₂ on MnO₂ is 1st order reaction with respect to H₂ and zero order reaction with respect to O₂ both in presence and absence of CO. Energy of activation of H₂ remains the same both in presence and absence of CO. On basis of former work on effect exerted by catalytic oxidation of H₂ on MnO₂ catalyst, explanation of these phenomena is given.

170714

PA 196T14

Bruns, B. P.

USSR/Chemistry - Oxidants

Nov 51

"Reaction Between Carbon Monoxide and Manganese Dioxide," N. A. Shurmovskaya, B. P. Bruns, Z. Ya. Mel'nikova, Inst of Nitrogen Ind, Moscow

"Zhur Fiz Khim" Vol XXV, No 11, pp 1306-1312

Investigation of kinetics of interaction of active MnO₂ and CO at temps -50° to 0°C showed that rate of interaction is detd by rate of diffusion of O from solid phase of MnO₂ to its surface. Data obtained here refute conclusions reached by earlier investigators that MnO₂ surface is highly non-uniform

196T14

C/A

Effect of reactions on catalysts. B. P. Bruna. *Doklady Akad. Nauk S.S.R.* 70, 79-82 (1951).—Known instances of variation of the catalytic activity from one crystal face to another, and of spontaneous recrystn. of certain crystal faces to other planes, depending on the nature of the surrounding gas, such as the observation of Chalmers, et al. (C.A. 43, 3756f) of the appearance of (111) faces in Ag on heating in O₂ but not in N₂, suggest that the proportions of areas of different crystal faces are not const., but may vary in the course of a catalytic gas reaction. The fact that the habit of a crystal is not const., but varies with the medium, is linked with the dependence of the surface energy of each crystal face on the adjoining medium. If the distribution of the areas of different crystal faces is variable, the concept of a const. no. of "active centers" on a catalyst loses its meaning. In the case of the catalytic reaction H₂ + O₂ on Cu, it must be assumed that O₂ is adsorbed not only on the surface, but that O atoms also penetrate underneath the metal atoms, and thus sep. them from the bulk of the metal. On subsequent desorption of the gas, these isolated positions, but may migrate over the surface and give rise to new crystal faces.
N. Thom

BRUNN, B. P.

USSR/Chemistry - Catalysts

Jan 52

"The Structure of the Surface of Disperse Iron,"
N. A. Shurmovskaya, B. P. Bruns, I. V. Trefimova,

"Zhur Fiz Khim" Vol XXVI, No 1, pp 48-55

Developed method for obtaining water vapor-gas
mixts, which permits variation of ratio of components
within very wide limits, even when the concn of
water vapor is low. Detad adsorption of oxygen
from H₂O - H₂ by disperse iron contg 2% of Al₂O₃
as promoter with ratios of water vapor to hydrogen
from 0.0006 to 0.018. Isotherms of adsorption

211741

indicate presence of 2 types of areas on surface
having limiting capacities of 0.224 mg/g Fe and
1.868 mg/g Fe and heats of interaction with water
vapor or 10,100 cal/mol H₂O and 4,300 cal/mol H₂O.

211741

BRUNS, B. P.

USSR/Chemistry

Card 1/1

Authors :

Bruns, B. P., Savitskaya, E. M., and Petrova, T. S.

Title :

Quantitative determination of oxygen dissolved in a cultured antibiotics liquid.

Periodical :

Zhur. Anal. Khim, 9, Ed. 1, 42-46, Jan-Febr. 1954

Abstract :

Proposal was made for the construction of an electrolytic cell for the determination of oxygen dissolved in liquid. The method of determining the amount of oxygen dissolved in a cultured antibiotics liquid is described. There are two major difficulties in determining oxygen in a cultured liquid: 1) during and after the removal of the cultured liquid sample from the fermentation vessel there is a continuous oxygen absorption resulted by the breathing of the microorganism. 2) The second difficulty is that the taken sample should not come in contact with the gaseous phase neither during transfer into the electrolytic cell nor in the cell proper, otherwise there will be absorption or escape of the oxygen. Three references. Graphs.

Institution :

All-Union Scient-Research Institute of Antibiotics, Moscow

Submitted :

July 7, 1953